

## Claims

1. A process for the digital signing of a message by means of a signing unit, with the message to be transmitted to a receiver, characterised in that the message (3) to be signed is transmitted from a transmitter (1) to a receiver (5), this message is thereafter transmitted from the receiver (5) via a telephone network to a signing unit associated with the transmitter (1), this message is then signed in the signing unit and retransmitted, as signed message (9), to the receiver (5).
2. The process according to claim 1, wherein the signing unit is a mobile radio telephone (7).
3. The process according to claim 2, wherein the telephone network is a mobile radio telephone network.
4. The process according to any one of the preceding claims, wherein a public-key process is used for signing, particularly a public-key process in which the transmitter (1) has an associated secret key and the receiver (5) has a corresponding public key matching the secret key.
5. The process according to any one of the preceding claims, wherein the messages are transmitted between the receiver (5) and the mobile radio telephone (7) by means of the short-message service (SMS).
6. The process according to any one of the preceding claims, wherein, prior to signing, the message (3) is displayed by means of a display (13) provided in the mobile radio telephone (7).
7. The process according to any one of the preceding claims, wherein the secret key required for signing is inputted via keyboard means of the mobile radio telephone (7).
8. The process according to any one of the preceding claims, wherein the secret key required for signing is stored on a chipcard of the mobile radio telephone (7) and this key is activated by means of a PIN adapted to be inputted via keyboard means of the mobile radio telephone (7).
9. The process according to any one of the preceding claims, wherein the chipcard carries out the generation of the signed message (9).
10. The process according to any one of the preceding claims, wherein the mobile radio telephone (7) generates the signed message (9) and wherein the secret key is read from the chipcard (25).
11. The process according to any one of the preceding claims, wherein the mobile radio telephone (7) serves, in addition, as the sender for transmitting the signed message (9) to the receiver (5).
12. A chipcard for a mobile radio telephone, wherein the chipcard (25) comprises signing means (21) which include a memory unit (27) for storing the secret key required for generating the signed message (9), characterised in that the signing means (21) generate a signed message (9) from a message (3) which is received by the mobile radio telephone (7) via the telephone network and is to be signed.